



**NATIONAL  
AGRICULTURAL  
STATISTICS  
SERVICE**

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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

**LELAND E. BROWN, Director**

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KGC 22-07

**AGRICULTURAL NEWS:** Record-breaking temperatures were common throughout the State during the first part of the week. Then a cold front swung through parts of Kentucky on Thursday. It brought temporary relief from triple-digit temperatures, but did not change the very dry soil conditions. **Topsoil moisture** was rated 49 percent very short, 40 percent short, and 11 percent adequate. **Subsoil moisture** was rated 52 percent very short, 37 percent short, and 11 percent adequate. The number of days suitable for fieldwork equaled the previous week. The average days worked was 6.4 days out of a possible 7. Most farm work included topping, spraying, cutting and housing tobacco, harvesting of corn for silage, baling hay, feeding hay and watering cattle.

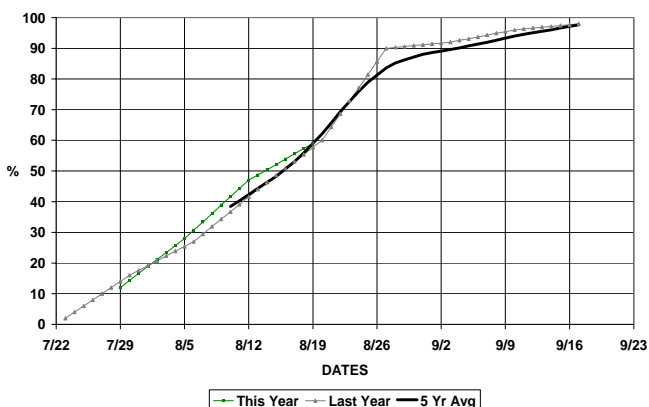
**CORN:** Fields continue to dry down ahead of schedule due to the extreme heat. The condition of the corn crop declined again this week, with 7 percent rated very poor, 17 percent poor, 24 percent fair, 43 percent good, and 9 percent excellent. As of Sunday, August 19, 82 percent of the corn was in the dough stage or beyond, behind the 88 percent in 2006 and the five year average of 84 percent. Percent of the crop in the dent stage was at 59 percent, same as the five year average, but one percent ahead of last year. One quarter of the corn acreage has matured. A few fields have even been cut for silage. Grain harvest may start in a couple of weeks.

**SOYBEANS:** Soybean condition declined due to lack of moisture. Those fields planted earlier in the year are better than the double cropped beans. The crop was rated 10 percent very poor, 22 percent poor, 34 percent fair, 28 percent good, and 6 percent excellent. Ninety-one percent of the soybeans were blooming, as of Sunday, August 19. Last year 89 percent had bloomed, with the five year average of 85 percent. Three-quarters of crop had set pods, compared to 73 percent a year ago and 66 percent for the five year average.

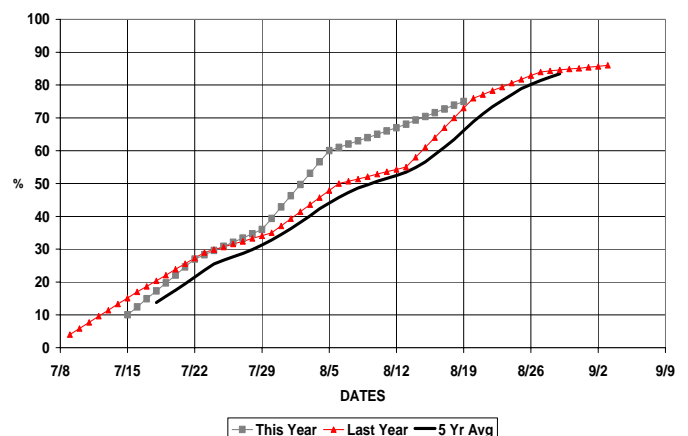
**TOBACCO:** Even though a few fields have experienced some disease problems earlier in the year, most of the tobacco is good. Condition of the crop still in the field was rated 6 percent very poor, 10 percent poor, 26 percent fair, 45 percent good, and 13 percent excellent. Lack of adequate moisture has caused curing problems in some of the housed tobacco. Harvest is a little behind schedule with 19 percent of the burley tobacco cut. Last year it was 24 percent with 23 percent for the average. Fifteen percent of the dark tobacco has been cut, with 19 percent cut in 2006 and 18 percent for the five year average.

**OTHER CROPS:** With declining quality of pasture and hay, some farmers cut what hay they could. Hot and dry conditions continue to cause problems for livestock. Lack of adequate pastures force farmers to feed out hay stores early. Grazing CRP land has helped a little. Hay conditions were rated 30 percent very poor, 35 percent poor, 25 percent fair, 9 percent good, and 1 percent excellent. Pasture condition was rated 29 percent very poor, 35 percent poor, 26 percent fair and 10 percent good.

**CORN PERCENT DENT OR BEYOND**



**SOYBEANS SETTING PODS PROGRESS**



## KENTUCKY CROP PROGRESS

WEEK ENDING AUGUST 19, 2007

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Soybeans					
Blooming	91	89	85	89	96
Setting Pods	75	73	66	67	84
Corn					
Dough Stage	82	88	84	72	66
Dent Stage	59	58	59	47	24
Mature	25	18	18	NA	NA
Burley Tobacco					
Cut	19	24	23	10	NA
Dark Tobacco					
Cut	15	19	18	5	NA

(NA)Data Not Available.

## SOIL MOISTURE

WEEK ENDING AUGUST 19, 2007

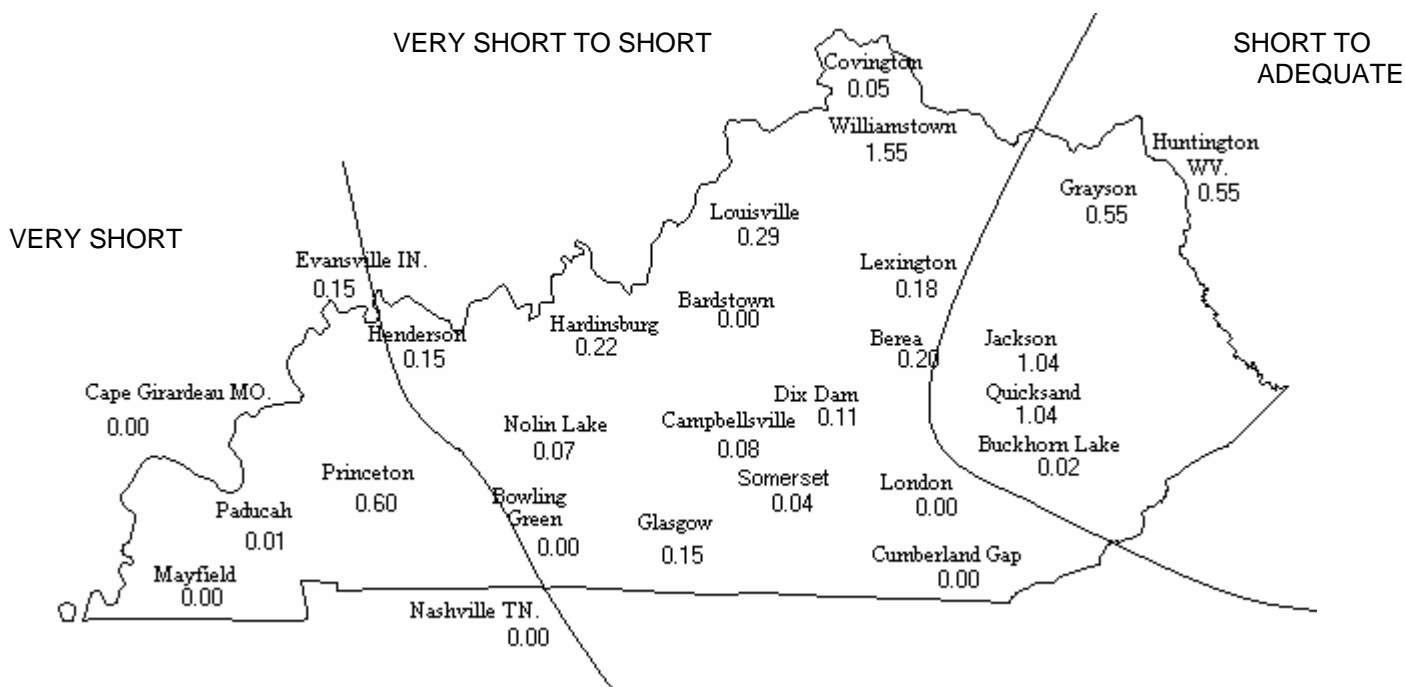
	This Week	Previous Week
Percentage		
<b>TOPSOIL</b>		
Very Short	49	48
Short	40	39
Adequate	11	13
Surplus	0	0
<b>SUBSOIL</b>		
Very Short	52	49
Short	37	38
Adequate	11	13
Surplus	0	0

## KENTUCKY CROP CONDITIONS (Percent)

WEEK ENDING AUGUST 19, 2007						WEEK ENDING AUGUST 12, 2007					
CROP	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL-LENT	
Corn	7	17	24	43	9	6	14	26	45	9	
Soybeans	10	22	34	28	6	7	19	28	38	8	
Pasture	29	35	26	10	0	24	35	31	10	0	
Hay Crops	30	35	25	9	1	26	35	28	10	1	
Tobacco in Field	6	10	26	45	13	7	8	24	45	16	

## PRECIPITATION MAP AND TOPSOIL MOISTURE DELINEATION

WEEK ENDING AUGUST 19, 2007



## **KENTUCKY WEATHER SUMMARY, AUGUST 13 – 19, 2007:**

### **Above Normal Temperatures and Below Normal Rainfall:**

Record-breaking temperatures were the trend last week as stagnate high pressure dominated the weather in the Bluegrass State. Most locations exceeded high temperatures at or near 100 degrees for one or more days breaking records in most locations. This was the third week straight with very hot, muggy conditions. Also, drought conditions continued with below normal rainfall for the third week straight. A frontal system brought scattered showers and thunderstorms to the northern third of the State on Friday. Cooler temperatures occurred on Saturday.

Temperatures for the 7 day period averaged 80 degrees across the State which was 5 degrees above normal but 4 degrees cooler than the previous week. High temperatures averaged from 97 in the West to 94 in the East. Departure from normal high temperatures ranged from 9 degrees above normal in the West to 10 degrees above normal in the East. Low temperatures averaged from 69 degrees in the West to 66 degrees in the East. Departure from normal low temperature ranged from 5 degrees above normal in the West to 3 degrees above normal in the East. Extreme high temperatures were near 106 degrees and extreme low temperatures were in the upper 50s.

Rainfall for the period totaled 0.26 inches statewide which was 0.58 inches below normal. Precipitation totals by climate division, West 0.15 inches, Central 0.12 inches, Bluegrass 0.37 inches and East 0.40 inches, which was 0.64, 0.73, 0.49 and 0.47 inches respectively below normal. By station, precipitation totals ranged from a low of 0.00 inches at Bardstown to a high of 1.55 inches at Williamstown.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL**

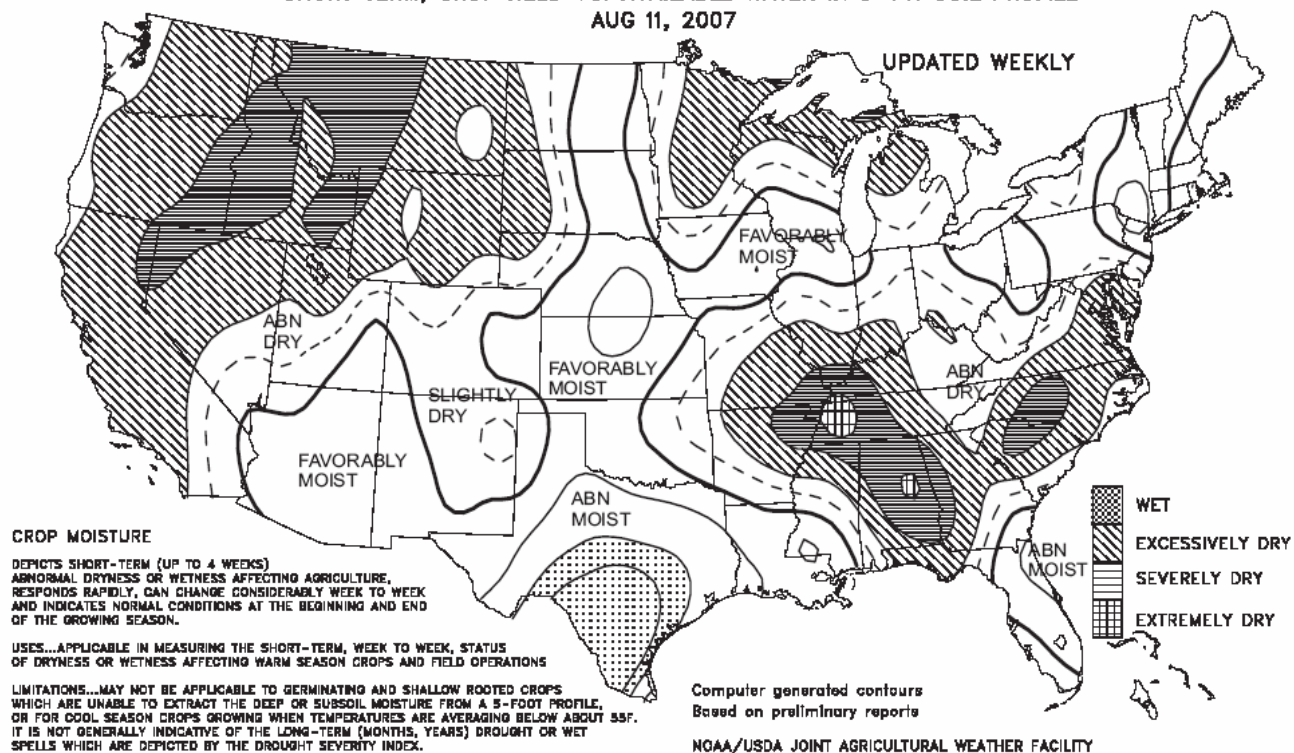
**FOR WEEK ENDING SUNDAY, AUGUST 19, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)					(Degrees Fahrenheit)						
Bardstown	0.00	14.60	2.75	-4.82	-1.11	102	63	81.5	+7	183	2851	+245
Berea	0.20	15.00	2.88	-4.89	-0.85	102	62	80.2	+7	178	2846	+159
Bowling Green	0.00	12.16	1.01	-8.16	-2.52	106	64	84.9	+11	196	3030	+313
Bristol	0.03	10.47	2.51	-6.53	-0.69	97	59	77.8	+4	165	2619	+135
Buckhorn Lake	0.02	10.42	3.02	-8.67	-0.62	102	62	81.0	+8	184	2851	+496
Cape Girardeau	0.00	10.58	0.06	-8.19	-3.11	103	64	83.5	+7	192	2925	+66
Campbellsville	0.08	18.18	2.51	-4.08	-1.85	101	63	81.5	+7	182	2859	+202
Covington	0.05	8.28	0.88	-9.88	-2.40	101	60	80.0	+7	185	2745	+290
Cumberland Gap	0.00	13.91	2.81	-7.16	-1.37	102	64	81.4	+8	185	2853	+399
Dix Dam	0.11	14.72	2.86	-5.26	-0.97	101	61	80.2	+7	179	2808	+183
Evansville	0.15	11.18	0.48	-7.03	-2.60	100	64	82.6	+7	194	2930	+212
Glasgow	0.15	16.51	1.46	-5.48	-2.55	105	64	83.6	+9	188	2985	+358
Grayson	0.55	12.25	2.95	-6.64	-0.76	102	59	78.4	+5	173	2749	+436
Hardinsburg	0.22	14.86	0.88	-5.20	-2.82	99	63	81.4	+7	193	2985	+268
Henderson	0.15	14.97	0.81	-3.66	-2.32	101	63	81.6	+6	188	2878	+130
Huntington	0.55	9.31	1.80	-9.59	-2.05	103	58	78.0	+5	170	2722	+237
Jackson	1.04	11.23	3.46	-8.88	-0.52	99	62	79.5	+6	184	2792	+437
Lexington	0.18	14.75	2.95	-4.67	-0.91	102	59	79.9	+7	179	2772	+287
London	0.00	12.85	1.83	-5.74	-1.58	102	63	80.7	+7	180	2805	+351
Louisville	0.29	14.33	1.74	-4.66	-1.74	101	60	79.6	+5	178	2820	+83
Mayfield	0.00	7.44	0.02	-12.83	-3.63	102	63	81.3	+5	184	2860	+82
Nashville	0.00	8.88	0.31	-10.03	-2.96	106	69	87.9	+14	209	3169	+261
Nolin Lake	0.07	17.10	1.08	-4.18	-2.68	103	65	83.3	+9	192	3010	+495
Paducah	0.01	13.54	0.06	-6.70	-3.20	105	65	84.9	+9	195	3006	+178
Princeton	0.60	12.90	0.97	-7.46	-2.73	105	68	83.9	+8	193	3061	+264
Quicksand	1.04	10.92	3.25	-9.19	-0.73	102	62	80.9	+8	184	2854	+499
Somerset	0.04	13.80	1.07	-7.15	-2.75	101	61	79.1	+6	174	2677	+132
Spindletop	0.13	14.97	3.18	-4.45	-0.68	99	58	77.5	+4	172	2715	+230
Williamstown	1.55	16.40	3.14	-2.75	-0.46	101	60	79.9	+7	183	2760	+275

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wgwx.ca.uky.edu/>

**Crop Moisture**  
**SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE**  
**AUG 11, 2007**

UPDATED WEEKLY



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